

## **Abstract**

**Method, device, computer-readable storage medium and computer program element for the computer-aided monitoring of a process parameter of a manufacturing process of a physical object**

In the case of the method for the computer-aided monitoring of process parameters of a manufacturing process of a physical object, object data which identify the physical object are assigned to various hierarchical levels, object data of various hierarchical levels are grouped to form hierarchical object data records, limit values for at least one process parameter are stored and respectively assigned to a hierarchical object data record, process data of the at least one process parameter, measured during the manufacture of physical objects, are stored and the hierarchical object data records corresponding to the object data are determined for physical objects manufactured. In the case of the method, furthermore, the process data stored for the corresponding object data records are compared with the stored limit values for the corresponding object data records; in the comparison, the hierarchical levels of the object data record of the stored process data are iteratively processed according to a predeterminable hierarchy in such a way that, starting from a highest hierarchical level, the next-lower hierarchical level is processed, and this is repeated until the processing has reached the lowest hierarchical level, and an unspecific value is stored for the hierarchical level if no specific value is stored in the object data record for a hierarchical level.